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WHAT IS CLAIMED IS:

- A method of altering an insulin-associated parameter in a subject, said method comprising administering to said subject a ghrelin or analog thereof; and an unacylated ghrelin or analog thereof.
- 2. The method of claim 1, wherein said method comprises administering to said subject a composition comprising a ghrelin or analog thereof; and an unacylated ghrelin or analog thereof.
- 10 3. The method of claim 2 wherein said composition further comprises a pharmaceutically acceptable carrier.
 - 4. The method of claim 1, wherein said insulin-associated parameter is selected from the group consisting of:
 - (a) insulin level;
- 15 (b) insulin resistance;
 - (c) free fatty acid level;
 - (d) insulin activity;
 - (e) insulin sensitivity; and
 - (f) any combination of (a) to (e).
- 20 5. The method of claim 1, wherein said alteration of an insulin-associated parameter is selected from the group consisting of:
 - (a) a decrease in insulin level;
 - (b) a decrease in insulin resistance;
- 25 (c) a decrease in free fatty acid level; and

- (d) any combination of (a) to (c).
- 6. The method of claim 1, wherein said method is for preventing or treating an insulin-associated condition.
- The method of claim 4, wherein said insulin-associated
 parameter is insulin resistance.
 - 8. The method of claim 7, wherein said insulin resistance is associated with a state or condition selected from the group consisting of:
 - (a) postprandial state;
- 10 (b) reduced growth hormone level;
 - (c) reduced growth hormone activity;
 - (d) obesity;
 - (e) diabetes;
 - (f) intravenous nutrition due to critical illness;
- 15 (g) metabolic syndrome X; and
 - (h) any combination of (a) to (g).
 - 9. The method of claim 8, wherein said state or condition is reduced growth hormone level, activity, or both.
- 10. The method of claim 9, wherein said reduced growth hormone 20 level, activity, or both are associated with a condition selected from the group consisting of:
 - (a) obesity;
 - (b) aging;
 - (c) pituitary gland deficiency;

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- (d) intravenous nutrition; and
- (e) any combination of (a) to (d).
- 11. The method of claim 8, wherein said state or condition is diabetes.

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- 5 12. The method of claim 11, wherein said diabetes is selected from the group consisting of type I diabetes and type II diabetes.
 - 13. The method of claim 12, wherein said diabetes is type I diabetes.
- 10 14. The method of claim 13, said method is for preventing or treating the dawn phenomenon.
 - 15. The method of claim 1, wherein said administration of said ghrelin or analog thereof and said unacetylated ghrelin or analog thereof is sequential.
- 15 16. The method of claim 1, wherein said administration of said ghrelin or analog thereof and said unacetylated ghrelin or analog thereof is simultaneous.
 - 17. The method of claim 1, wherein said ghrelin comprises an amino acid sequence substantially identical to a sequence selected from the group consisting of SEQ ID NO: 1 and a fragment thereof.
 - 18. The method of claim 17, wherein said ghrelin comprises a peptide having the amino acid sequence of SEQ ID NO: 1.
- 19. The method of claim 1, wherein said unacylated ghrelin
 25 comprises an amino acid sequence substantially identical to
 a sequence selected from the group consisting of SEQ ID NO:
 2 and a fragment thereof.

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- 20. The method of claim 19, wherein said unacylated ghrelin comprises a peptide having the amino acid sequence of SEQ ID NO: 2.
- 21. The method of claim 1, wherein said analog of ghrelin
 5 comprises an amino acid sequence substantially identical to
 a sequence selected from the group consisting of SEQ ID NO:
 3 and a fragment thereof.
 - 22. The method of claim 21, wherein said analog of ghrelin comprises a peptide having the amino acid sequence of SEQ ID NO: 3.

- 23. The method of claim 1, wherein said analog of unacylated ghrelin comprises an amino acid sequence substantially identical to a sequence selected from the group consisting of SEQ ID NO: 4 and a fragment thereof.
- 15 24. The method of claim 23, wherein said analog of unacylated ghrelin comprises a peptide having the amino acid sequence of SEQ ID NO: 4.
- 25. The method of claim 1, wherein said ghrelin or analog thereof and said unacylated ghrelin or analog thereof is administered through a route selected from the group consisting of intravenous, oral, transdermal, subcutaneous, mucosal, intramuscular, intranasal, intrapulmonary, parenteral, intrarectal and topical.
- 26. The method of claim 1, wherein said ghrelin or analog thereof is administered at a dose of about 1 μ g/kg.
 - 27. The method of claim 1, wherein said unacetylated ghrelin or analog thereof is administered at a dose of about 1 $\mu g/kg$.

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- 28. The method of claim 1, wherein said subject is a mammal.
- 29. The method of claim 1, wherein said subject is human.
- 30. A composition comprising a ghrelin or analog thereof and an unacylated ghrelin or analog thereof.
- 5 31. The composition of claim 30, said composition further comprising a pharmeutically acceptable carrier.

- 32. The composition of claim 30, wherein said ghrelin comprises an amino acid sequence substantially identical to a sequence selected from the group consisting of SEQ ID NO: 1 and a fragment thereof.
- 33. The composition of claim 32, wherein said ghrelin comprises a peptide having the amino acid sequence of SEQ ID NO: 1.
- 34. The composition of claim 30, wherein said unacylated

 15 ghrelin comprises an amino acid sequence substantially
 identical to a sequence selected from the group consisting
 of SEQ ID NO: 2 and a fragment thereof.
- 35. The composition of claim 34, wherein said unacylated ghrelin comprises a peptide having the amino acid sequence of SEQ ID NO: 2.
 - 36. The composition of claim 30, wherein said analog of ghrelin comprises an amino acid sequence substantially identical to a sequence selected from the group consisting of SEQ ID NO: 3 and a fragment thereof.
- 25 37. The composition of claim 36, wherein said analog of ghrelin comprises a peptide having the amino acid sequence of SEQ ID NO: 3.

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- 38. The composition of claim 30, wherein said analog of unacylated ghrelin comprises an amino acid sequence substantially identical to a sequence selected from the group consisting of SEQ ID NO: 4 and a fragment thereof.
- 5 39. The composition of claim 38, wherein said analog of unacylated ghrelin comprises a peptide having the amino acid sequence of SEQ ID NO: 4.
 - 40. The composition of claim 30, wherein said composition is adapted for administration by a route selected from the group consisting of intravenous, oral, transdermal, subcutaneous, mucosal, intramuscular, intranasal, intrapulmonary, parenteral, intrarectal and topical.
 - 41. The composition of claim 30, wherein said composition is adapted for administration of said ghrelin or analog thereof at a dose of about 1 $\mu g/kg$.
 - 42. The composition of claim 30, wherein said composition is adapted for administration of said unacetylated ghrelin or analog thereof at a dose of about 1 $\mu g/kg$.
- 43. The method of claim 2, wherein said insulin-associated parameter is selected from the group consisting of:
 - (a) insulin level;

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- (b) insulin resistance;
- (c) free fatty acid level;
- (d) insulin activity;
- 25 (e) insulin sensitivity; and
 - (f) any combination of (a) to (e).

- 44. The method of claim 43, wherein said alteration of an insulin-associated parameter is selected from the group consisting of:
 - (a) a decrease in insulin level;
- 5 (b) a decrease in insulin resistance;
 - (c) a decrease in free fatty acid level; and
 - (d) any combination of (a) to (c).
 - 45. The method of claim 2, wherein said method is for preventing or treating an insulin-associated condition.
- 10 46. The method of claim 45, wherein said insulin-associated parameter is insulin resistance.
 - 47. The method of claim 46, wherein said insulin resistance is associated with a state or condition selected from the group consisting of:
- 15 (a) postprandial state;
 - (b) reduced growth hormone level;
 - (c) reduced growth hormone activity;
 - (d) obesity;
 - (e) diabetes;
- 20 (f) intravenous nutrition due to critical illness;
 - (g) metabolic syndrome X; and
 - (h) any combination of (a) to (g).
 - 48. The method of claim 47, wherein said state or condition is reduced growth hormone level, activity, or both.

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- 49. The method of claim 48, wherein said reduced growth hormone level, activity, or both are associated with a condition selected from the group consisting of:
 - (a) obesity;
- 5 (b) aging;

- (c) pituitary gland deficiency;
- (d) intravenous nutrition; and
- (e) any combination of (a) to (d).
- 50. The method of claim 47, wherein said state or condition is diabetes.
 - 51. The method of claim 50, wherein said diabetes is selected from the group consisting of type I diabetes and type II diabetes.
- 52. The method of claim 51, wherein said diabetes is type I diabetes.
 - 53. The method of claim 52, said method is for preventing or treating the dawn phenomenon.
 - 54.A package comprising a ghrelin or analog thereof and an unacylated ghrelin or analog thereof.
- 20 55. The package of claim 54, further comprising instructions for altering an insulin-associated parameter in a subject.
 - 56.A package comprising the composition of claim 30.
 - 57. The package of claim 56, said package further comprising instructions for altering an insulin-associated parameter in a subject.

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- 58. Use of the composition of claim 30 for the alteration of an insulin-associated parameter in a subject.
- 59. Use of the composition of claim 30 for the preparation of a medicament for the alteration of an insulin-associated parameter in a subject.
- 60. Use of the composition of claim 31 for the alteration of an insulin-associated parameter in a subject.
- 61. The use of claim 58, wherein said insulin-associated parameter is selected from the group consisting of:
- 10 (a) insulin level;

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- (b) insulin resistance;
- (c) free fatty acid level;
- (d) insulin activity;
- (e) insulin sensitivity; and
- 15 (f) any combination of (a) to (e).
 - 62. The use of claim 61, wherein said alteration of an insulin-associated parameter is selected from the group consisting of:
 - (e) a decrease in insulin level;
 - (f) a decrease in insulin resistance;
 - (g) a decrease in free fatty acid level; and
 - (h) any combination of (a) to (c).
 - 63. The use of claim 58, wherein said alteration is for the prevention or treatment an insulin-associated condition.

- 64. The use of claim 62, wherein said insulin-associated parameter is insulin resistance.
- 65. The use of claim 64, wherein said insulin resistance is associated with a state or condition selected from the group consisting of:
 - (a) postprandial state;
 - (b) reduced growth hormone level;
 - (c) reduced growth hormone activity;
 - (d) obesity;
- 10 (e) diabetes;

- (f) intravenous nutrition due to critical illness;
- (g) metabolic syndrome X; and
- (h) any combination of (a) to (g).
- 66. The use of claim 65, wherein said state or condition is reduced growth hormone level, activity, or both.
 - 67. The use of claim 66, wherein said reduced growth hormone level, activity, or both are associated with a condition selected from the group consisting of:
 - (a) obesity;
- 20 (b) aging;
 - (c) pituitary gland deficiency;
 - (d) intravenous nutrition; and
 - (e) any combination of (a) to (d).

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68. The use of claim 65, wherein said state or condition is diabetes.

- 69. The use of claim 68, wherein said diabetes is selected from the group consisting of type I diabetes and type II diabetes.
- 70. The use of claim 69, wherein said diabetes is type I diabetes.

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- 71. The use of claim 70, said method is for preventing or treating the dawn phenomenon.
- 10 72. The use of claim 58, wherein said ghrelin comprises an amino acid sequence substantially identical to a sequence selected from the group consisting of SEQ ID NO: 1 and a fragment thereof.
- 73. The use of claim 72, wherein said ghrelin comprises a peptide having the amino acid sequence of SEQ ID NO: 1.
 - 74. The use of claim 58, wherein said unacylated ghrelin comprises an amino acid sequence substantially identical to a sequence selected from the group consisting of SEQ ID NO: 2 and a fragment thereof.
- 20 75. The use of claim 74, wherein said unacylated ghrelin comprises a peptide having the amino acid sequence of SEQ ID NO: 2.
 - 76. The use of claim 58, wherein said analog of ghrelin comprises an amino acid sequence substantially identical to a sequence selected from the group consisting of SEQ ID NO: 3 and a fragment thereof.

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77. The use of claim 76, wherein said analog of ghrelin comprises a peptide having the amino acid sequence of SEQ ID NO: 3.

- 78. The use of claim 58, wherein said analog of unacylated ghrelin comprises an amino acid sequence substantially 5 identical to a sequence selected from the group consisting of SEQ ID NO: 4 and a fragment thereof.
 - 79. The use of claim 78, wherein said analog of unacylated ghrelin comprises a peptide having the amino acid sequence of SEQ ID NO: 4.
 - 80. The use of claim 58, wherein said composition is adapted for an administration by a route selected from the group consisting of intravenous, oral, transdermal, subcutaneous, mucosal, intramuscular, intranasal, intrapulmonary, parenteral, intrarectal and topical.
 - 81. The use of claim 58, wherein said ghrelin or analog thereof is adapted for administration at a dose of about 1 $\mu g/kg$.
 - 82. The use of claim 58, wherein said unacetylated ghrelin or analog thereof is adapted for administration in a dose of about 1 µg/kg.
 - 83. The use of claim 58, wherein said subject is a mammal.
 - 84. The use of claim 83, wherein said subject is human.
- 85.A composition comprising a ghrelin or analog thereof and an unacylated ghrelin or analog thereof for use as a 25 medicament.

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86.Use of a composition comprising a ghrelin or analog thereof and an unacylated ghrelin or analog thereof as a medicament.